

In the Claims:

This listing of claims replaces all prior versions.

1. (Previously Presented) A method for wirebonding leads of a plurality of lead frames being part of a lead frame assembly by a wirebonding tool to semiconductor products mounted on the respective lead frames, the lead frame assembly being indexable in an index direction relative to a wirebonding frame, and comprising a first row of lead frames and a second row of lead frames that is adjacent and parallel to the first row as seen in the index direction, the lead frames being spaced from each other at a lead frame pitch in the index direction, the method comprising the steps of:

(a) clamping the leads of n adjacent lead frames of the first row by a first clamp, and wirebonding the leads of the n lead frames of the first row to the corresponding semiconductor products;

(b) clamping the leads of n adjacent lead frames of the second row by a second clamp, and wirebonding the leads of the n lead frames of the second row to the corresponding semiconductor products;

(c) releasing the first clamp after step (a);

(d) indexing the lead frame assembly over n lead frame pitches relative to the wirebonding frame after step (a), the second clamp and the wirebonding tool following the index movement;

(e) releasing the second clamp after step (b);

(f) moving the second clamp opposite to the indexing direction over n lead frame pitches; and

(g) repeating steps (a)-(f).

2. (Original) The method according to claim 1, characterized in that after step (f), the n lead frames of the first row lead one lead frame pitch relative to the n lead frames of the second row.

3. (Previously presented) The method according to claim 1, characterized by at least one

further row of lead frames that is adjacent and parallel to the first row as seen in the index direction, the further row being located on the side of the first row opposite from the second row of lead frames, the first clamp in step (a) further clamping n lead frames of the further row adjacent the n lead frames of the first row.

4. (Previously presented) The method according to claim 1, characterized by at least one further row of lead frames that is adjacent and parallel to the second row as seen in the index direction, the further row being located on the side of the second row opposite from the first row of lead frames, the second clamp in step (b) further clamping n lead frames of the further row adjacent the n lead frames of the second row.

5. (Previously presented) The method according to claim 1, characterized in that n is even.

6. (Previously presented) The method according to claim 1, characterized in that the first clamp is stationary relative to the wirebonding frame, as seen in the index direction.

Claims 7-12 (Cancelled)